

ABSTRACT

A driving device of an ink-jet print head is provided that discharges liquid drops through a plurality of nozzles. The driving device comprises a data storage unit which stores a data block for liquid drop discharge; a data determination unit which determines the stored data block; a shift register which outputs the determined data block to the ink-jet print head; and a clock signal generation unit which generates clock signals for driving the shift register. The data determination unit determines whether the data block has a predetermined array. When the data block has the predetermined array, the clock signal generation unit stops generating the clock signals and the shift register outputs the data block having the predetermined array to the ink-jet print head.